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<p style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(use as many sheets as necessary)</i></p>				Complete if Known	
				Application Number	10/731,993
				Filing Date	December 9, 2003
				First Named Inventor	Adams, Joseph S.
				Art Unit	
				Examiner Name	
Sheet	1	of	3	Attorney Docket Number	90959.000012

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
HA		US-4,043,248		08-23-1977	Bulman et al.	
HA		US-4,377,991		03-29-1983	Liesse	
HA		US-4,665,868		05-19-1987	Adams	
HA		US-4,759,318		07-26-1988	Adams	
HA		US-5,125,320		06-30-1992	Zielinski	
HA		US-5,499,567		03-19-1996	Gay	
HA		US-5,540,194		07-30-1996	Adams	
HA		US-5,771,621		06-30-1998	Rogers	
HA		US-5,771,875		06-30-1998	Sullivan	
HA		US-6,491,002		12-10-2002	Adams	
HA		US-6,634,325		10-21-2003	Adams	
HA		US-6,647,969		11-18-2003	Adams	
HA		US-4,616,622		10-14-1986	Milliman	
HA		US-5,199,626		04-06-1983	Terayama et al.	
HA		US-5,257,614		11-02-1993	Sullivan	
HA		US-5,333,594		08-02-1994	Robinson	
HA		US-5,613,483		03-25-1997	Lukas et al.	
HA		US-5,769,066		06-23-1998	Schneider	

FOREIGN PATENT DOCUMENTS

Examiner Signature	Hudson A.	Date Considered	12/16/04
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds of Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3.). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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<p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(use as many sheets as necessary)</i></p>				Complete if Known	
Sheet	2	of	3	Application Number	10/731,993
				Filing Date	December 9, 2003
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				Attorney Docket Number	90959.000012

U.S. PATENT DOCUMENTS

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Examiner Signature	Hyden A.	Date Considered	12/16/04
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Substitute for form 1449B/PTO				<i>Complete if Known</i>	
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				Filing Date	December 9, 2003
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				Art Unit	
				Examiner Name	
Sheet	3	of	3	Attorney Docket Number	90959.000012

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<u>H A</u>		English language abstract of Japanese patent JP4136696.	
		English language abstract of Japanese patent JP5215492.	
		English language abstract of Japanese patent JP6185894.	
		English language abstract of Japanese patent JP60104806.	

Examiner Signature	Hysen Ah.	Date Considered	12/16/04
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